WL Series

Miniaturized, 85℃2000Hrs (Under development)

小型化,85℃2000Hrs(正在研究之中)

Specifications

Items 項目	Characteristics 特性	
Operating Temperature Range 使用溫度范圍	-40 to +85℃	-25 to +85℃
Rated Voltage Range 額定電壓范圍	6.3 to 400VDC	450VDC
Capacitance Tolerance 靜電容量容許差	±20%(M) (at 25℃,120Hz)	
Leakage Current 漏電流	I=0.03CV (at 25℃,after 2 minutes) Where, I: Leakage current(μA), C: Nominal capacitance (μF), V: Rated voltage(V)	
Dissipation Factor (tan δ) 損失角正切(tan δ)		

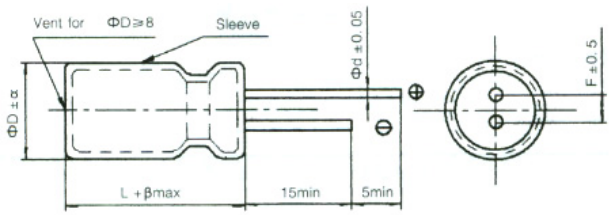
Rated voltage (V)	6.3	10	16	25	35	50	63	100	160~250	350~450
DF(tan δ)	0.28	0.24	0.20	0.16	0.14	0.12	0.10	0.10	0.20	0.24

When the capacitance exceeds 1000 μF,0.02 shall be added every 1000 μF increase.(at25℃,120Hz)

Load Life 高溫負荷特性	The following specifications shall be satisfied when the capacitors are restored to 25℃after the rated voltage is applied for 2000 hours at 85℃. Capacitance change ≦±20% of the initial value DF(tan δ) ≦200% of the initial specified value Leakage current ≦The initial specified value
Shelf Life 高溫貯存特性	The following specifications shall be satisfied when the capacitors are restored to 25℃ after exposing them for 1000 hours at 85℃without voltage applied .The rated voltage shall be applied to the capacitors for a minimum of 30 minutes, at least 24 hours and not more than 48 hours before the measurements. Capacitance change ≦±20% of the initial value DF(tan δ) ≦200% of the initial specified value Leakage current ≦The initial specified value

Pitch Dimension (mm)

DΦ	20	22	
F	7.5	10	
d	0.8	0.8	1.0
α	0.5	1.0	
β	+1.5-0.5	2	



Ripple Current Multipliers

Temperature Multipliers

Ambient temp.(℃)	65	85
Factor	1.23	1

Frequency Multipliers

Freq.(Hz) / V_{DC}.(V)	50	120	300	1K	10K	100K
10-50VDC	0.95	1.0	1.03	1.05	1.08	1.08
63-100 VDC	0.92	1.0	1.07	1.13	1.19	1.20
160-250 VDC	0.81	1.0	1.17	1.32	1.45	1.50
315-450 VDC	0.77	1.0	1.16	1.30	1.41	1.43

WL Series

Standard Ratings

V_{DC} / μF	6.3		10		16		25		35		50		63		100	
330															20*30	870
680															20*30	1360
820													20*20	1370	20*30	1540
1000													20*25	1600	20*35	1720
1200													20*30	1720	22*40	1980
1500											20*20	1570	20*30	1850		
1800											20*25	1720	20*35	1090		
2200									20*20	1670	20*25	1880	20*35	2330		
2700									20*25	1860	20*30	2150	20*40	2640		
3300							20*20	1850	20*25	2050	20*35	2420	22*40	2810		
3900							20*25	2050	20*30	2310	20*40	2590				
4700					20*20	1960	20*25	2240	20*35	2510	22*40	2960				
5600					20*25	2100	20*30	2430	20*40	2690						
6800			20*20	2080	20*25	2330	20*35	2680	22*40	3280						
8200			20*35	2200	20*30	2500	22*40	2810								
10000	20*25	2310	20*35	2410	20*35	2720	22*40	3240								
12000	20*30	2400	20*30	2620	20*40	2900	22*40	3240								
15000	20*30	2660	20*35	2870	20*40	3380										
18000	22*35	2890	22*35	3050												
22000	20*40	3130	22*40	3480												
27000	22*40	3280														

Ripple current (mA rms/85℃,120Hz)

Case size ΦD*L(mm)

V_{DC} / μF	160		200		250		350		400		450	
22											20*20	180
33									20*20	260	20*25	240
47							20*20	310	22*25	300	20*25	290
56							20*25	350	22*25	350	20*30	320
68							20*25	400	22*30	420	20*35	370
82					20*20	420	20*30	450	22*35	470	20*40	420
100			16*27	460	20*25	490	20*30	500	25*25	520	22*40	470
120			16*27	530	20*25	530	20*35	560	22*35	580		
150	20*20	570	18*33	600	20*30	620	20*40	660	22*45	710		
180	20*25	650	18*33	660	22*30	680						
220	20*25	730	22*33	750	20*35	780						
270	20*30	830	22*33	830	20*40	880						
330	20*30	920	22*36	1070	22*40	1060						
390	20*35	1160	22*40	1190								
470	20*40	1340	22*40	1350								
560	22*45	1470	22*45	1430								

Ripple current (mA rms/85℃,120Hz)

Case size ΦD*L(mm)